

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 8.0.2
Date: 06/01/2021 09:47 AM
Cytometer Baseline: 04/05/2021 10:33 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910859
Lot ID: 12757 **Expiration Date:** 06/30/2022
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123603	-2	1.16	123479	1.14
Blue	F	SSC	125000	123904	-1	2.76	124161	2.57
Blue	E	FITC	14400	13841	-4	2.15	318	14.63
Blue	D	PE	24713	24469	-1	1.56	560	10.56
Blue	B	PerCP-Cy5-5	31796	31043	-3	3.02	1028	13.98
Blue	A	PE-Cy7	21240	20712	-3	5.22	553	28.66
Red	C	APC	41319	40822	-2	2.77	1712	10.86
Red	A	APC-Cy7	21019	20550	-3	3.11	768	11.17
Violet	B	V450	7305	7058	-4	3.54	431	12.18
Violet	A	V500	28652	27419	-5	3.03	686	9.64

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23177	1.11	563	-6	N/A	N/A	Pass
Blue	F	SSC	57792	1.01	516	4	N/A	N/A	Pass
Blue	E	FITC	58	50.63	490	-1	0.0468	0	Pass
Blue	D	PE	118	35.73	489	2	0.4150	279	Pass
Blue	B	PerCP-Cy5-5	192	34.04	585	1	0.0216	51	Pass
Blue	A	PE-Cy7	109	67.39	631	1	0.0228	1	Pass
Red	C	APC	395	23.50	573	0	0.0320	282	Pass
Red	A	APC-Cy7	171	27.15	544	-1	0.0071	1392	Pass
Violet	B	V450	60	59.30	457	1	0.0592	1870	Pass
Violet	A	V500	98	33.63	470	0	0.0270	791	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.44	-31.21	1.01
Blue	20.35	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.43
Red	19.30	15.99 - 23.99	N/A	N/A	29.73	29.87	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 16560

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.60

Comments